

Amendments to the Specification

Please replace page 39, paragraph 124, with the following rewritten paragraph:

At step ~~258-256~~, data transactions system 165 ~~system~~ may receive a communication from another user that requests access to the entered information. In some embodiments, each user may have an access code. Such an access code may include user information (e.g., name, address, type of user, etc.). Upon receiving the communication, data transactions system 165 may determine which access indicator is associated with the requested information (step 258). At step 260, data transactions system 165 may limit the quantity of requested information to be provided to the user based on the associated access indicator and the access code of the user.

Please replace page 60, paragraph 177, with the following rewritten paragraph:

Some embodiments may provide an application for land application area management, as shown in category 2260 of FIG. 20. Information about land application areas may be generated and inputted by a user. Environmental information 2265, such as soil and plant nutrient levels and recommended nutrient application rates, may be received and retrieved from laboratories, the user, and other suitable person or facility. The user may input environmental information regarding land application area characteristics, such as location and yield history of the land. The user may also input environmental information associated with the type of crop or forage being grown, the yield goal, the timing, amount, and quality of nutrient source material(s) that have been applied, and other characteristics. Environmental information associated with land application area management may be integrated with environmental information associated with source material quality and quantity to determine nutrient information. In some embodiments of the invention, users may select specific

parameters (e.g., yield goal, etc.) and view integrated information, utilizing comparisons between the chosen parameters. Users may be provided with guidelines. For example, users may be provided with explanations of regulations governing aspects of the operation, such as "since soil in land application area no. 1 has an average of X pounds of phosphorus per acre, you should not apply more than Y pounds of manure."

Please replace page 62, paragraph 180, with the following rewritten paragraph:

In some embodiments, environmental management system 150 may provide the user with quality assurance and quality control information pertaining to collecting, handling, storing, transporting and testing environmental options (e.g., environmental testing option 2290). Such options may include all of the source materials shown in Category 2200, as well as air, groundwater, surface water, and soil quality (e.g., as shown in area 2295). The system may describe the specific equipment and procedures needed to insure that the final test results are valid. This may include a list of the collection supplies needed, the steps that must be followed to obtain a representative sample, sample storage and transportation issues, and testing procedures. The system may recommend that some parameters be tested by a certified laboratory. In some embodiments, the system may provide government-specified regulatory quality assurance/quality control measures to be taken by the user.

Please replace page 66, paragraph 192, with the following rewritten paragraph:

FIG. 22 is an illustrative flowchart of steps involved in obtaining adaptive logistics information. At step 900, adaptive logistics system 135 may provide a user (e.g., a rancher) with an opportunity to make a transaction with another user (e.g., a buyer on "Cattlefonet" or any other

buyer). For example, a rancher may desire to sell one or more animals to a buyer. Adaptive logistics information can be obtained at step 905. "Cattleinonet" or any other suitable marketplace may send a communication to adaptive logistics system 135. At step 910, adaptive logistics system 135 may receive the communication from the marketplace. The communication may include shipping details, which may include pick-up location, drop-off locations, number of animals to be picked up, total weight, time of pick-up, expected weather conditions, and/or any other suitable shipping details.

Please replace page 87, paragraph 241, with the following rewritten paragraph:

At step 2520, integrated risk management system 125 may benchmark a user's cost for inputs and outputs against others (e.g., in the local area, etc.) using information in the central database. In some embodiments, benchmarking may include identifying opportunities for improvements and cost reduction. At step 2525, information on other user's operation stored in central database can be obtained. At step ~~2525~~-2530, the user may be provided with an assessment on the user's operation. That is, once all the input and output costs are estimated, integrated risk management system 125 may aid the user in, for example, breakeven analysis and assess the effect of a price variation of any input or output on the user's profit margin. Integrated risk management system 125 may also identify commodities for which the user may need price protection.

Please replace page 92, paragraph 251, with the following rewritten paragraph:

In some embodiments, consumer value system 195 may analyze the collected attributes using an expert system (step 2725). Upon analyzing the collected attributes ~~attributed~~, consumer value

system 195 may provide the user with access to the analysis (step 2730), thereby assisting the user in managing the multiple animals based at least in part on the analysis (~~step 2735~~).